

## **INFORMATION TECHNOLOGY PROCESS WORKFLOW FOR DATA CENTERS**

Darshan B. Joshi  
James A. Senicka  
Kaushal R. Dalal  
Roger H. Davis, Jr.

### ***ABSTRACT OF THE DISCLOSURE***

A method, system, computer system, and computer program product that use application requirements, business priorities, and compatibility and dependency among applications to allocate resources among those applications in a clustering environment. A workload policy engine is aware of the resources available within each cluster, as well as the capacities of those resources. Multiple instances of the workload policy engine can be run in different clusters. The workload policy engine can be used in conjunction with disaster recovery products as well as with provisioning software so that new machines can be provisioned in and out of a cluster dynamically, such as in a blade environment. Furthermore, the workload policy engine can be used in conjunction with dynamic repartitioning capabilities provided by different hardware platforms for large computer systems, as well as with performance monitoring software.